DATA SHEET

VersaXpress*-VER170P** ADSL2+ device provides advanced long Reach/Rate, and crosstalk-free technology. The VX-VER170P incorporates backward compatible ITU G.ADSL Plus, G.span, G.992.3, G.992.1 (G.DMT), ITU-TG.992.2 (G.lite), ANSI T1.413 issue 2 standards with multimode modulation auto configurable capabilities. The ADSL2+ is a modem technology which incorporates existing phone lines and high speed Internet access. This Ethernet device extends your high speed Internet connection or your existing Ethernet network to any room in the building or house with a telephone jack. All phone line network products have been designed to operate on the telephone wire installed in homes throughout the world. Those telephone lines utilize all the same modular patch cords and connectors commonly used for telephones. TheVersaXpress*-VER170P** provides Reach / Rate control capability with 24.0 Mbps speed access at distance up to 8,000ft (2.5Km), 640Kbps 18,000ft (6.0Km), and 64Kbps 20,000ft (6.5Km) by sharing the existing phone line with Plain Old Telephone Service.

The ***VersaXpress*-VER170P** is the perfect solution for small home office and business offices to connect multiple PCs to a high speed Broadband Internet connection. It allows up to 253 users and incorporates a built-in NAT technology which acts as a firewall protecting valuable internal network data. Configurable as a DHCP server for your existing network, ***VersaXpress*-VER170P** ADSL2+ router acts as the only externally recognized Internet device on your local area network (LAN). The router can also be configured to block internal users' access to the Internet. The bridge/router provides an RJ45 10/100 Ethernet port with auto negotiation.

To install a ADSL2+/ADSL LAN or access the Internet, simply plug in the existing RJ-11 telephone jack. With minor configurations and no additional wiring to install, your network will be up and running in minutes. Splitters, terminators, modification to existing wires and filters are not needed in this setup procedure. An Ethernet port is provided for user to view the linkk statusk, modify miscellaneous configurations, and configure the host computer.

HARDWARE FEATURES:

WAN Port

- Provides ITU G.ADSL Plus, AnnexA , G.span, G.992.3, G.992.1 G.DMT, G.992.2 G.lite ANSI T1.413 Issue 2 standards
- Support multi-service ADSL2+ and ADSL services
- Backwards compatible and auto-detect, auto link with standard ADSL G.DMT, G.Lite, and T1.413 i2 devices
- Provides optimal rate/research performance
  - Higher rates by limiting reach (24.0Mbps Down/2.2Mbps up, up to 600m).
  - Longer reach by reducing rate (17.0Mbps Down/1.0Kbps up, up to 2100m).
  - Maximum reach at lower rate (108Kbps Down/88Kbps up, up to 6800m).
- Egress control for compatibility with existing HomePNA or other services
- PSD (Power Spectral Density) masks for co-existence with existing ADSL service
- Supports packets transmit and receive statistics report.
- Provides optimal rate/reach performance

LAN Port

- 1 10/100Mbps auto-negotiating port
- 802.3, 10BaseT, 802.3u, 100Base-TX
- Automatic MDI/MDIX crossover for 100Base-TX or 10Base-T port
- QoS support with four priorities
- QoS determined by port, IEEE 802.1p tagged frames, IPv4's TOS & Differentiated Services, DA MAC address and IPv6's traffic Class

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Network Management and Protocol Support:

- Built-in Java-Based Web-Browser Management
- SNMP Management Agent and MIB II
- Sun Solaries HP OpenView, Castle Rock Computing SNMPc etc.
- PPPoE (PPP over Ethernet)
- PPPoA (PPP over ATM)
- VPN PPTP (Point to Point Tunneling Protocol)
- L2TP (Layer 2 Tunneling Protocol RFC 2661)
- Telnet for remote control
- RIP1-2
- NAT
- Virtual Computer (DMZ): provides unrestricted 2-way communication between Internet servers and specified local IP address
- TFTP Firmware upgrade
- IEEE 802.1d Spanning Tree
- Record incoming and outgoing traffic
- Firewall and Packet Filtering
- Administrator allows any Intranet user to access the Internet, block users, and deny specific Internet requests.

INTERFACES

Line Interface: RJ-11

LAN Interface: RJ-45 Auto-negotiate/MDIX

Industry standard line-coding

PERFORMANCE

Data Rate:	12.0 / 24.0 Mbps up to 8K ft (proprietary)
	8.0 Mbps up to 8K ft (Industry)
	640Kbps up to 18.0K ft
	64Kbps up to 20.0K ft
Distance:	0 ft. ~20K ft; 0Km ~ 6.5Km

LED DISPLAY

Power Indicator

10/100Mbps Link Status/Activity

10/100Mbps Full-duplex/Collision

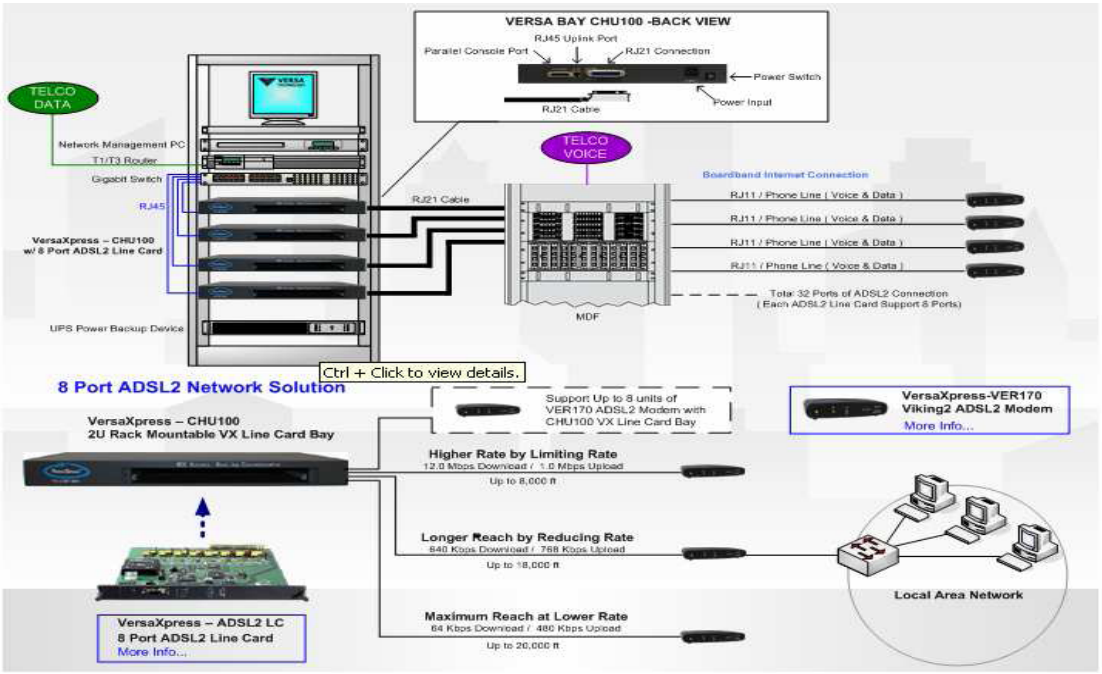
ADSL2+ Link status

ADSL2+/ADSL Activity

SYSTEM

Power Consumption:	5.0W Max.
Dimension:	6.25"W x 4.13"D x 1.13"H
Temperature:	0 to 50℃
Humidity:	5% to 95% non-condensing

Applications:


VERSA BAY CHU100 -BACK VIEW
RJ45 Uplink Port
Parallel Console Port
RJ21 Connection
Power Switch
Power Input
RJ21 Cable
TELCO DATA
TELCO VOICE
Network Management PC
T1/T3 Router
Gigabit Switch
RJ45
VersaXpress – CHU100 w/ 8 Port ADSL2 Line Card
UPS Power Backup Device
RJ21 Cable
Boardband Internet Connection
RJ11 / Phone Line (Voice & Data)
RJ11 / Phone Line (Voice & Data)
RJ11 / Phone Line (Voice & Data)
RJ11 / Phone Line (Voice & Data)
Total: 32 Ports of ADSL2 Connection
(Each ADSL2 Line Card Support 8 Ports)
MDF
Ctrl + Click to view details.
8 Port ADSL2 Network Solution
VersaXpress – CHU100
2U Rack Mountable VX Line Card Bay
Support Up to 8 units of VER170 ADSL2 Modem with CHU100 VX Line Card Bay
VersaXpress-VER170
Viking2 ADSL2 Modem
More Info...
Higher Reach by Limiting Rate
12.0 Mbps Download / 1.0 Mbps Upload
Up to 8,000 ft
Longer Reach by Reducing Rate
640 Kbps Download / 768 Kbps Upload
Up to 18,000 ft
Maximum Reach at Lower Rate
64 Kbps Download / 480 Kbps Upload
Up to 20,000 ft
Local Area Network
VersaXpress – ADSL2 LC
8 Port ADSL2 Line Card
More Info...

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